

WEST Search History

DATE: Saturday, June 16, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L9	((("20040002859" "20020009000" "20020059059")!.PN.) .p150-p173. (("7180892" "5706396" "5638451" "5450248" "5822360" "5280561" "6446037" "6122618" "4972484" "6016473" "6529604" "6879652" "6968564" "7006555" "7146503" "6738744" "6748362" "6768980" "6996521" "6604072" "7031921" "6526385")!.PN.) .p67-p149.	25
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L8	L7 and phase	61
<input type="checkbox"/>	L7	L6 and compress\$3	98
<input type="checkbox"/>	L6	L5 and audio	122
<input type="checkbox"/>	L5	watermark\$3 and l1	135
<input type="checkbox"/>	L4	(audio near cod\$3) and noise and compress\$4 and (phase near2 modulat\$3 near2 frequency)	21
	<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L3	L2 and l1	19
	(20040143443 6721306 20050065781 4809274 5600646 5838664 7196641 6446037 6529604 20050010395 20050010396 5594494 5638451 5471355 5801757 5999985 6353807 6751239 20030076558 20060039461 3824332		
<input type="checkbox"/>	L2	3885217 4013962 4659875 4972484 5291557 5822360 5915234 6094636 6122618 20040002859 20040092228 20050004791 20050207583 20070016404 20070033030 3568161 4486624 4580291 4849966 5001742 5121409 5280561 5450248 5504759 5596578 5706396 5764847 6016473 6151077).pn.	50
<input type="checkbox"/>	L1	704/\$.ccls.	18380

END OF SEARCH HISTORY

Search Results - Record(s) 1 through 25 of 25 returned.

L9: Entry 1 of 25

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002859
DOCUMENT-IDENTIFIER: US 20040002859 A1

TITLE: Method and architecture of digital condng for transmitting and packing
audio signals
PUBLICATION-DATE: January 1, 2004

US-CL-PUBLISHED: 704/229

US-CL-CURRENT: 704/229

INT-CL-PUBLISHED: [07] G10L 19/02

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G10 L 19/00</u>	20060101
CIPS	<u>G10 L 19/02</u>	20060101

L9: Entry 2 of 25

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059059
DOCUMENT-IDENTIFIER: US 20020059059 A1

TITLE: Auxiliary channel masking in an audio signal
PUBLICATION-DATE: May 16, 2002

US-CL-PUBLISHED: 704/200.1

US-CL-CURRENT: 704/200.1

INT-CL-PUBLISHED: [07] G10L 19/00, G06F 15/00, G10L 11/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPN	<u>C02 F 1/42</u>	20060101
CIPN	<u>C02 F 1/28</u>	20060101
CIPS	<u>C02 F 1/463</u>	20060101
CIPS	<u>C02 F 1/48</u>	20060101
CIPN	<u>C02 F 1/66</u>	20060101
CIPS	<u>G11 B 20/00</u>	20060101
CIPS	<u>H04 H 1/00</u>	20060101

L9: Entry 3 of 25

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020009000

DOCUMENT-IDENTIFIER: US 20020009000 A1

TITLE: Adding imperceptible noise to audio and other types of signals to cause significant degradation when compressed and decompressed

PUBLICATION-DATE: January 24, 2002

US-CL-PUBLISHED: 365/200

US-CL-CURRENT: 365/200

INT-CL-PUBLISHED: [07] G11C 29/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G06 F 1/00</u>	20060101
CIPS	<u>G10 L 19/00</u>	20060101
CIPS	<u>G11 B 20/00</u>	20060101
CIPS	<u>G06 F 21/00</u>	20060101
CIPS	<u>H04 B 1/66</u>	20060101

L9: Entry 4 of 25

File: USPT

Feb 20, 2007

US-PAT-NO: 7180892

DOCUMENT-IDENTIFIER: US 7180892 B1

TITLE: Voice and data exchange over a packet based network with voice detection

DATE-ISSUED: February 20, 2007

US-CL-ISSUED: 370/389; 704/214, 704/246

US-CL-CURRENT: 370/389; 704/214, 704/246

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	H04L12/56	20060101	H04L012/56

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>H04 L 12/56</u>	20060101

L9: Entry 5 of 25

File: USPT

Dec 5, 2006

US-PAT-NO: 7146503

DOCUMENT-IDENTIFIER: US 7146503 B1

TITLE: System and method of watermarking signal

DATE-ISSUED: December 5, 2006

US-CL-ISSUED: 713/176; 380/252, 380/238

US-CL-CURRENT: 713/176; 380/238, 380/252

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	H04L9/00	20060101	H04L009/00
IPCS	H04K1/02	20060101	H04K001/02
IPCS	H04N7/167	20060101	H04N007/167

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>H04 K 1/02</u>	20060101
CIPP	<u>H04 L 9/00</u>	20060101
CIPS	<u>H04 N 7/167</u>	20060101

L9: Entry 6 of 25

File: USPT

Apr 18, 2006

US-PAT-NO: 7031921

DOCUMENT-IDENTIFIER: US 7031921 B2

TITLE: System for monitoring audio content available over a network

DATE-ISSUED: April 18, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20020082837 A1	June 27, 2002

US-CL-ISSUED: 704/270.1; 704/275, 704/205, 704/236, 704/231, 709/229, 705/52, 713/200

US-CL-CURRENT: 704/270.1; 704/205, 704/231, 704/236, 704/275, 705/52, 709/229

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G10L21/00	20060101	G10L021/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>G10 L 21/00</u>	20060101

L9: Entry 7 of 25

File: USPT

Feb 28, 2006

US-PAT-NO: 7006555

DOCUMENT-IDENTIFIER: US 7006555 B1

TITLE: Spectral audio encoding

DATE-ISSUED: February 28, 2006

US-CL-ISSUED: 375/133; 375/135, 375/136, 380/42, 380/253, 725/18

US-CL-CURRENT: 375/133; 375/135, 375/136, 380/253, 380/42, 725/18

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	H04B1/713	20060101	H04B001/713
IPCS	H04L9/00	20060101	H04L009/00
IPCS	H04H9/00	20060101	H04H009/00
IPCS	H04N7/16	20060101	H04N007/16

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>H04 B 1/713</u>	20060101
CIPS	<u>H04 H 9/00</u>	20060101
CIPS	<u>H04 L 9/00</u>	20060101
CIPS	<u>H04 N 7/16</u>	20060101

L9: Entry 8 of 25

File: USPT

Feb 7, 2006

US-PAT-NO: 6996521

DOCUMENT-IDENTIFIER: US 6996521 B2

TITLE: Auxiliary channel masking in an audio signal

DATE-ISSUED: February 7, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20020059059 A1	May 16, 2002

US-CL-ISSUED: 704/200; 704/200.1, 704/230, 375/240.03

US-CL-CURRENT: 704/200; 375/240.03, 704/200.1, 704/230

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G01L11/00	20060101	G01L011/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>G01 L 11/00</u>	20060101

L9: Entry 9 of 25

File: USPT

Nov 22, 2005

US-PAT-NO: 6968564

DOCUMENT-IDENTIFIER: US 6968564 B1

TITLE: Multi-band spectral audio encoding

DATE-ISSUED: November 22, 2005

US-CL-ISSUED: 725/9; 381/97, 725/19

US-CL-CURRENT: 725/9; 381/97, 725/19

INT-CL-ISSUED: [07] H04H 9/00, H04N 7/16

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>H04 H 1/00</u>	20060101

L9: Entry 10 of 25

File: USPT

Apr 12, 2005

US-PAT-NO: 6879652

DOCUMENT-IDENTIFIER: US 6879652 B1

TITLE: Method for encoding an input signal

DATE-ISSUED: April 12, 2005

US-CL-ISSUED: 375/377; 380/236

US-CL-CURRENT: 375/377; 380/236

INT-CL-ISSUED: [07] H04L 23/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G10 L 19/02</u>	20060101
CIPS	<u>G10 L 19/00</u>	20060101

L9: Entry 11 of 25

File: USPT

Jul 27, 2004

US-PAT-NO: 6768980

DOCUMENT-IDENTIFIER: US 6768980 B1

TITLE: METHOD OF AND APPARATUS FOR HIGH-BANDWIDTH STEGANOGRAPHIC EMBEDDING OF DATA IN A SERIES OF DIGITAL SIGNALS OR MEASUREMENTS SUCH AS TAKEN FROM ANALOG DATA STREAMS OR SUBSAMPLED AND/OR TRANSFORMED DIGITAL DATA

DATE-ISSUED: July 27, 2004

US-CL-ISSUED: 704/500; 382/248, 382/251

US-CL-CURRENT: 704/500; 382/248, 382/251

INT-CL-ISSUED: [07] H04B 1/66, H04N 7/24

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G06 T 1/00</u>	20060101
CIPS	<u>G10 L 19/00</u>	20060101
CIPS	<u>H04 N 1/32</u>	20060101

L9: Entry 12 of 25

File: USPT

Jun 8, 2004

US-PAT-NO: 6748362

DOCUMENT-IDENTIFIER: US 6748362 B1

TITLE: Process, system, and apparatus for embedding data in compressed audio, image video and other media files and the like

DATE-ISSUED: June 8, 2004

US-CL-ISSUED: 704/500; 382/251, 713/179
US-CL-CURRENT: 704/500; 382/251, 713/179

INT-CL-ISSUED: [07] H04L 5/00, H03M 13/11

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G06</u> <u>T</u> <u>1/00</u>		20060101
CIPS <u>G10</u> <u>L</u> <u>19/00</u>		20060101
CIPS <u>H04</u> <u>N</u> <u>1/32</u>		20060101

L9: Entry 13 of 25

File: USPT

May 18, 2004

US-PAT-NO: 6738744
DOCUMENT-IDENTIFIER: US 6738744 B2
**** See image for Certificate of Correction ****

TITLE: Watermark detection via cardinality-scaled correlation

DATE-ISSUED: May 18, 2004

US-CL-ISSUED: 704/273; 713/193
US-CL-CURRENT: 704/273; 713/193

INT-CL-ISSUED: [07] G10L 15/22

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G10</u> <u>L</u> <u>19/14</u>		20060101
CIPS <u>G10</u> <u>L</u> <u>19/00</u>		20060101

L9: Entry 14 of 25

File: USPT

Aug 5, 2003

US-PAT-NO: 6604072
DOCUMENT-IDENTIFIER: US 6604072 B2

TITLE: Feature-based audio content identification

DATE-ISSUED: August 5, 2003

US-CL-ISSUED: 704/231; 704/236
US-CL-CURRENT: 704/231; 704/236

INT-CL-ISSUED: [07] G10L 15/08, G06F 15/37, G06K 9/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G11</u> <u>B</u> <u>20/10</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>20/00</u>		20060101
CIPS <u>H04</u> <u>H</u> <u>7/00</u>		20060101
CIPS <u>H04</u> <u>H</u> <u>7/04</u>		20060101

L9: Entry 15 of 25

File: USPT

Mar 4, 2003

US-PAT-NO: 6529604

DOCUMENT-IDENTIFIER: US 6529604 B1

TITLE: Scalable stereo audio encoding/decoding method and apparatus

DATE-ISSUED: March 4, 2003

US-CL-ISSUED: 381/22; 381/23, 700/94

US-CL-CURRENT: 381/22; 381/23, 700/94

INT-CL-ISSUED: [07] H04R 5/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>H04</u> <u>B</u> <u>1/66</u>		20060101
CIPS <u>H04</u> <u>H</u> <u>5/00</u>		20060101

L9: Entry 16 of 25

File: USPT

Feb 25, 2003

US-PAT-NO: 6526385

DOCUMENT-IDENTIFIER: US 6526385 B1

TITLE: System for embedding additional information in audio data

DATE-ISSUED: February 25, 2003

US-CL-ISSUED: 704/504; 704/502, 704/503, 704/273, 704/200.1, 348/423.1, 348/484

US-CL-CURRENT: 704/504; 348/423.1, 348/484, 704/200.1, 704/273, 704/502, 704/503

INT-CL-ISSUED: [07] G10L 21/04

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G10</u> <u>L</u> <u>21/04</u>		20060101
CIPN <u>G11</u> <u>B</u> <u>20/00</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>20/10</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>27/031</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>27/036</u>		20060101
CIPS <u>H04</u> <u>H</u> <u>1/00</u>		20060101
CIPS <u>G10</u> <u>L</u> <u>21/00</u>		20060101

CIPS G11 B 15/05 20060101
CIPS H04 N 1/32 20060101

L9: Entry 17 of 25

File: USPT

Sep 3, 2002

US-PAT-NO: 6446037
DOCUMENT-IDENTIFIER: US 6446037 B1

TITLE: Scalable coding method for high quality audio

DATE-ISSUED: September 3, 2002

US-CL-ISSUED: 704/229; 704/230, 704/501, 704/200.1, 704/226, 375/240, 375/253, 381/22, 381/23

US-CL-CURRENT: 704/229; 375/240, 375/253, 381/22, 381/23, 704/200.1, 704/226, 704/230, 704/501

INT-CL-ISSUED: [07] G10L 19/02

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G10</u> <u>L</u> <u>19/02</u>		20060101
CIPS <u>G10</u> <u>L</u> <u>19/00</u>		20060101

L9: Entry 18 of 25

File: USPT

Sep 19, 2000

US-PAT-NO: 6122618
DOCUMENT-IDENTIFIER: US 6122618 A

TITLE: Scalable audio coding/decoding method and apparatus

DATE-ISSUED: September 19, 2000

US-CL-ISSUED: 704/500; 704/501, 704/222, 704/230

US-CL-CURRENT: 704/500; 704/222, 704/230, 704/501

INT-CL-ISSUED: [07] G10L 19/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G10</u> <u>L</u> <u>19/02</u>		20060101
CIPS <u>G10</u> <u>L</u> <u>19/00</u>		20060101
CIPS <u>H04</u> <u>B</u> <u>1/66</u>		20060101
CIPS <u>H04</u> <u>N</u> <u>7/30</u>		20060101
CIPS <u>H04</u> <u>N</u> <u>7/26</u>		20060101

L9: Entry 19 of 25

File: USPT

Jan 18, 2000

US-PAT-NO: 6016473
DOCUMENT-IDENTIFIER: US 6016473 A

TITLE: Low bit-rate spatial coding method and system

DATE-ISSUED: January 18, 2000

US-CL-ISSUED: 704/500; 704/501

US-CL-CURRENT: 704/500; 704/501

INT-CL-ISSUED: [06] G10L 3/02

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>H04 B 1/66</u>	20060101
CIPS	<u>H04 S 1/00</u>	20060101
CIPS	<u>H04 S 3/00</u>	20060101

L9: Entry 20 of 25

File: USPT

Oct 13, 1998

US-PAT-NO: 5822360

DOCUMENT-IDENTIFIER: US 5822360 A

TITLE: Method and apparatus for transporting auxiliary data in audio signals

DATE-ISSUED: October 13, 1998

US-CL-ISSUED: 375/200; 375/206, 370/493, 370/495, 370/497, 370/527, 370/529, 704/219, 704/201

US-CL-CURRENT: 375/140; 370/493, 370/495, 370/497, 370/527, 370/529, 375/147, 704/201, 704/219

INT-CL-ISSUED: [06] H04B 1/707, H04B 1/69

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G10 L 19/00</u>	20060101
CIPN	<u>H04 J 13/00</u>	20060101
CIPS	<u>H04 J 9/00</u>	20060101
CIPS	<u>H04 J 13/02</u>	20060101
CIPS	<u>H04 J 15/00</u>	20060101
CIPN	<u>H04 B 15/02</u>	20060101
CIPS	<u>H04 H 1/00</u>	20060101
CIPS	<u>H04 B 1/66</u>	20060101
CIPS	<u>H04 J 7/00</u>	20060101
CIPS	<u>H04 B 1/707</u>	20060101
CIPN	<u>H04 B 15/04</u>	20060101

L9: Entry 21 of 25

File: USPT

Jan 6, 1998

US-PAT-NO: 5706396

DOCUMENT-IDENTIFIER: US 5706396 A

TITLE: Error protection system for a sub-band coder suitable for use in an audio signal processor

DATE-ISSUED: January 6, 1998

US-CL-ISSUED: 395/2.37; 395/2.35, 395/2.3, 395/2.25

US-CL-CURRENT: 704/228; 704/216, 704/221, 704/226.

INT-CL-ISSUED: [06] G10L 9/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPN	<u>G10 L 19/00</u>	20060101
CIPS	<u>H04 B 1/66</u>	20060101

L9: Entry 22 of 25

File: USPT

Jun 10, 1997

US-PAT-NO: 5638451

DOCUMENT-IDENTIFIER: US 5638451 A

TITLE: Transmission and storage of multi-channel audio-signals when using bit rate-reducing coding methods

DATE-ISSUED: June 10, 1997

US-CL-ISSUED: 381/2; 381/18, 395/2.38

US-CL-CURRENT: 381/2; 381/18, 704/229

INT-CL-ISSUED: [06] H04H 5/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>H04 B 1/66</u>	20060101
CIPS	<u>H04 H 5/00</u>	20060101
CIPS	<u>H04 S 3/00</u>	20060101

L9: Entry 23 of 25

File: USPT

Sep 12, 1995

US-PAT-NO: 5450248

DOCUMENT-IDENTIFIER: US 5450248 A

TITLE: System, apparatus and methods for recording and/or reproducing on and/or from a re-recordable record carrier digital signals containing information which results in concealment during reproduction

DATE-ISSUED: September 12, 1995

US-CL-ISSUED: 360/32; 360/40

US-CL-CURRENT: 360/32; 360/40

INT-CL-ISSUED: [06] G11B 5/00, G11B 5/09

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>G11</u> <u>B</u> <u>27/031</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>20/18</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>27/32</u>		20060101
CIPS <u>G11</u> <u>B</u> <u>27/036</u>		20060101

L9: Entry 24 of 25

File: USPT

Jan 18, 1994

US-PAT-NO: 5280561

DOCUMENT-IDENTIFIER: US 5280561 A

TITLE: Method for processing audio signals in a sub-band coding system

DATE-ISSUED: January 18, 1994

US-CL-ISSUED: 395/2

US-CL-CURRENT: 704/200

INT-CL-ISSUED: [05] G10L 5/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>H04</u> <u>B</u> <u>1/66</u>		20060101
CIPS <u>H04</u> <u>M</u> <u>3/56</u>		20060101

L9: Entry 25 of 25

File: USPT

Nov 20, 1990

US-PAT-NO: 4972484

DOCUMENT-IDENTIFIER: US 4972484 A

TITLE: Method of transmitting or storing masked sub-band coded audio signals

DATE-ISSUED: November 20, 1990

US-CL-ISSUED: 381/37

US-CL-CURRENT: 704/200.1

INT-CL-ISSUED: [05] G10L 7/02

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>H04</u> <u>H</u> <u>5/00</u>		20060101
CIPS <u>H04</u> <u>B</u> <u>1/66</u>		20060101

[Previous Page](#)[Next Page](#)

Titles of most frequently occurring classifications of patents returned
from a search of 10690220 on Jun 11 , 2007

5 704/500 (4 OR, 1 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/500 .AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION

5 704/200.1 (4 OR, 1 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/200.1 ..Psychoacoustic

4 704/229 (2 OR, 2 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/201 ..For storage or transmission
704/229 ...Adaptive bit allocation

4 704/230 (1 OR, 3 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/201 ..For storage or transmission
704/230 ...Quantization

3 348/552 (0 OR, 3 XR)
Class 348 TELEVISION
348/552 .COMBINED WITH DIVERSE ART DEVICE (E.G., COMPUTER,
TELEPHONE)

3 381/22 (2 OR, 1 XR)
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/1 .BINAURAL AND STEREOPHONIC
381/19 ..Quadrasonic
381/20 ...Matrix
381/214-2-4
381/22Variable decoder

3 704/501 (0 OR, 3 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/500 .AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION
704/501 ..With content reduction encoding

3 381/23 (0 OR, 3 XR)
Class 381 ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/1 .BINAURAL AND STEREOPHONIC
381/19 ..Quadrasonic
381/20 ...Matrix
381/214-2-4
381/23With encoder

3 704/226 (0 OR, 3 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/201 ..For storage or transmission
704/226 ...Noise

- 3 704/E19.016 (0 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/E19.001 .SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
 REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
 SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
 MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
 704/E19.01 ..Using spectral analysis, e.g., transform vocoders, subband
 vocoders, perceptual audio coders, psychoacoustically based lossy encoding, etc.,
 e.g., MPEG audio, Dolby AC-3, etc. (EPO)
 704/E19.015 ...Quantization or dequantization of spectral components
 (EPO)
 704/E19.016Scalar quantization (EPO)
- 2 370/263 (2 OR, 0 XR)
 Class 370 MULTIPLEX COMMUNICATIONS
 370/259 .SPECIAL SERVICES
 370/260 ..Conferencing
 370/263 ...Conferee signals combined or distributed via time
 channels
- 2 348/14.09 (0 OR, 2 XR)
 Class 348 TELEVISION
 348/14.01 .TWO-WAY VIDEO AND VOICE COMMUNICATION (E.G., VIDEOPHONE)
 348/14.08 ..Conferencing (e.g., loop)
 348/14.09 ...Conferencing with multipoint control unit
- 2 348/14.13 (0 OR, 2 XR)
 Class 348 TELEVISION
 348/14.01 .TWO-WAY VIDEO AND VOICE COMMUNICATION (E.G., VIDEOPHONE)
 348/14.12 ..Transmission control (e.g., resolution or quality)
 348/14.13 ...Compression or decompression
- 2 370/402 (0 OR, 2 XR)
 Class 370 MULTIPLEX COMMUNICATIONS
 370/351 .PATHFINDING OR ROUTING
 370/389 ..Switching a message which includes an address header
 370/400 ...Having a plurality of nodes performing distributed
 switching
 370/401Bridge or gateway between networks
 370/402Bridge between bus systems
- 2 348/E7.083 (0 OR, 2 XR)
 Class 348 TELEVISION
 348/E7.001 .TELEVISION SYSTEMS (EPO)
 348/E7.077 ..Systems for two-way working (EPO)
 348/E7.083 ...Conference systems (EPO)
- 2 348/E7.084 (0 OR, 2 XR)
 Class 348 TELEVISION
 348/E7.001 .TELEVISION SYSTEMS (EPO)
 348/E7.077 ..Systems for two-way working (EPO)
 348/E7.083 ...Conference systems (EPO)
 348/E7.084Multipoint control units therefor (EPO)
- 2 370/465 (0 OR, 2 XR)
 Class 370 MULTIPLEX COMMUNICATIONS
 370/464 .COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL
 CHANNELS
 370/465 ..Adaptive
- 2 386/104 (0 OR, 2 XR)
 Class 386 TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR

REPRODUCING
 386/46 .PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC RECORDING OR
 REPRODUCING
 386/95 ..Having another signal
 386/96 ...Audio signal
 386/104Digital audio signal

2 704/201 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission

2 380/238 (1 OR, 1 XR)
 Class 380 CRYPTOGRAPHY
 380/200 .VIDEO CRYPTOGRAPHY
 380/210 ..Video electric signal modification (e.g., scrambling)
 380/236 ...Modifying accompanying audio signal
 380/238Including frequency modification of audio signal or
 frequency shifting of audio carrier

2 704/219 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/219 ...Linear prediction

2 704/233 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/233 ...Detect speech in noise

2 704/216 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/211 ...Time
 704/216Correlation function

10690220_CLS.txt
Most frequently occurring classifications of patents returned
from a search of 10690220 on Jun 11 , 2007

Original Classifications

4	704/500
4	704/200.1
2	370/263
2	704/229
2	381/22

Cross-Reference Classifications

3	348/552
3	704/230
3	704/501
3	381/23
3	704/226
3	704/E19.016
2	348/14.09
2	348/14.13
2	370/402
2	348/E7.083
2	348/E7.084
2	370/465
2	704/229
2	386/104
2	704/201

Combined Classifications

5	704/500
5	704/200.1
4	704/229
4	704/230
3	348/552
3	381/22
3	704/501
3	381/23
3	704/226
3	704/E19.016
2	370/263
2	348/14.09
2	348/14.13
2	370/402
2	348/E7.083
2	348/E7.084
2	370/465
2	386/104
2	704/201
2	380/238
2	704/219
2	704/233
2	704/216